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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,626	11/12/2003	Shinichi Takahashi	0941.68725	7983

7590 10/19/2005

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EXAMINER

KAYRISH, MATTHEW

ART UNIT	PAPER NUMBER
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2653

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/706,626	TAKAHASHI, SHINICHI	
	Examiner	Art Unit	
	Matthew G. Kayrish	2653	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/12/2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11/12/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>9/26/2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(e) that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-9 rejected under 35 U.S.C. 102(b) as being unpatentable over Mundt (U.S. Publication Number 2002/0145828).
3. Regarding claim 1, Mundt et al disclose:

A head slider for a magnetic disk lifted above the magnetic disk by airflow generated by rotation of the magnetic disk, said head slider comprising
(Abstract):

An airflow guide part that guides the airflow along a disk-facing surface of said head slider toward sides of the disk-facing surface (figure 12, item 1280).

4. Regarding claim 2, Mundt et al disclose:

The head slider as claimed in claim 1, wherein the airflow guide part is formed to extend in directions each inclined at an angle with respect to a flow direction of the airflow (figure 12, item 1280).

5. Regarding claim 3, Mundt et al disclose:

The head slider as claimed in claim 1, wherein the airflow guide part includes a capturing part that captures dust included in the airflow (figure 18, item 1426 and 1832).

6. Regarding claim 4, Mundt et al disclose:

The head slider as claimed in claim 1, wherein the airflow guide part comprises:

A first guide part formed to extend from the vicinity of the center of the disk-facing surface to both sides of the disk-facing surface (figure 12, item 1280); and

A pair of second guide parts formed on opposing side surfaces of said head slider and continuing with said first guide part (figure 12, item 1280).

7. Regarding claim 5, Mundt et al disclose:

The head slider as claimed in claim 4, wherein the first and second guide parts are formed to extend in respective directions each inclined at an angle with respect to a flow direction of the airflow (figure 12, item 1280).

8. Regarding claim 6, Mundt et al disclose:

The head slider as claimed in claim 4, wherein one of the first and second guide parts includes a capturing part that captures dust included in the airflow (figure 18, item 1426 and 1832).

9. Regarding claim 7, Mundt et al disclose:

A head slider for a magnetic disk lifted above the magnetic disk by airflow generated by rotation of the magnetic disk, said head slider comprising

(Abstract):

An airflow guide part that guides the airflow along a disk-facing surface of said head slider toward sides of the disk-facing surface (figure 14, item 1432).

A first guide groove formed to extend from the vicinity of the center of the disk-facing surface toward both sides of the disk-facing surface (figure 14, item 1432); and

A pair of second guide grooves formed on opposing side surfaces of said head slider and communicating with said first guide groove (figure 14, item 1432).

10. Regarding claim 8, Mundt et al disclose:

The head slider as claimed in claim 7, wherein one of the first and second guide grooves includes a capturing groove that captures dust included in the airflow, and the capturing groove is formed deeper than the first and second guide grooves (figure 14, item 1426, paragraph 70).

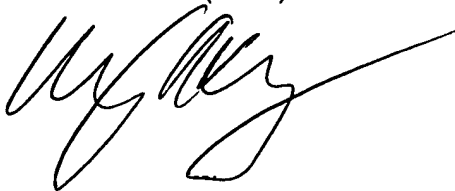
11. Regarding claim 9, Mundt et al disclose:

The head slider as claimed in claim 8, wherein, in the first guide groove, an inflow-side wall along which the airflow flowing along the disk-facing surface enters the first guide groove is an inclined surface, and an outflow-side wall along which the airflow flowing along the disk-facing surface is discharged is a vertical surface (figure 14, wall of front part of item 1432, paragraph 64).

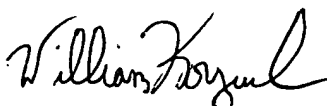
Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew G. Kayrish whose telephone number is 571-272-4220. The examiner can normally be reached on 8am - 5pm M-F.
13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on 571-272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MK



9-29-2005


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